Keynote Lecture

on

Scientific Paper Analysis

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Rapid increase of scientific documents causes difficulty in acquiring up-to-date information even by experts. Through deepening the text and document analysis technologies and automatic construction of knowledge bases necessary for document understanding, this project aims to develop foundations of content understanding of large scale technical documents and structural similarity analysis at various levels of contents and documents. In collaboration with the experts in Bio-science, Material Science, Neuroscience, Law, and Artificial Intelligence, we aim to develop an integrated environment for content-based document retrieval, summarization and knowledge discovery by aggregating the contents from large scale documents, and survey generation by inter-document relation analysis.